

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

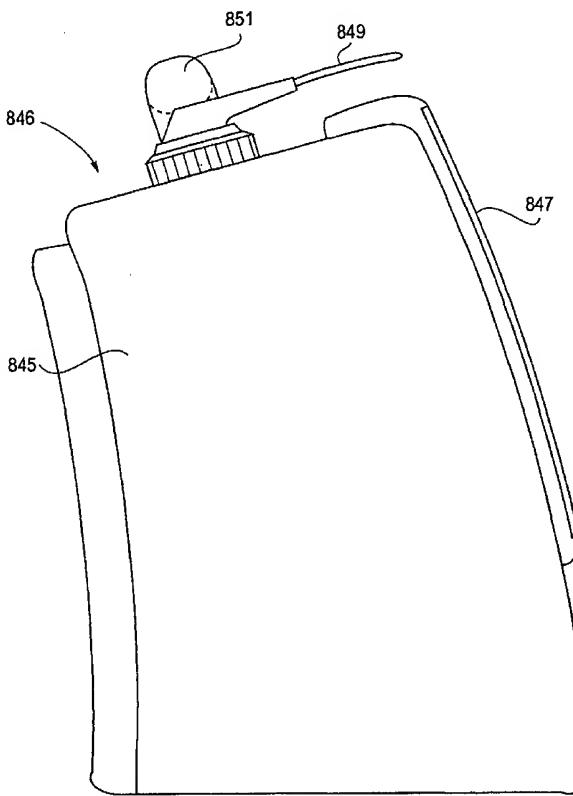
PCT

(10) International Publication Number
WO 2005/058413 A3

- (51) International Patent Classification⁷: **A61N 1/372**, 1/36, 1/08, 1/39
- (21) International Application Number: PCT/US2004/042792
- (22) International Filing Date: 17 December 2004 (17.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/530,151 17 December 2003 (17.12.2003) US
PCT/US2004/012421
22 April 2004 (22.04.2004) US
- (71) Applicant (for all designated States except US): **MEDTRONIC PHYSIO-CONTROL CORP. [US/US]**; 11811 Willows Road Northeast, P.O. Box 97006, Redmond, WA 98073-9706 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **MCMAHON, Michael** [US/US]; 4105 Northeast 205th Street, Lake Forest Park, WA 98155 (US). **PEARCE, Christopher** [GB/US]; 13924 High Bridge Road, Monroe, WA 98272 (US). **WUNG, Peter** [US/US]; 4514 159th Avenue Northeast, Redmond, WA 98052 (US). **DAYNES, John, C.** [US/US]; 18139 Northeast 99th Way, Redmond, WA 98052 (US). **PETERSON, Ken** [US/US]; 4342 Somerset Boulevard Southeast, Bellevue, WA 98006 (US). **NELSON, Maren** [US/US]; 6509 114th Avenue Northeast, Kirkland, WA 98033 (US). **NEUMILLER, James** [US/US]; 17235 Northeast 134th Place, Redmond, WA 98052-1225 (US).
- (74) Agents: **PAIGE, James, J.** et al.; Fredrikson & Byron, P.A., 200 South Sixth Street, Suite 4000, Minneapolis, MN 55402-1425 (US).

[Continued on next page]

(54) Title: DEFIBRILLATOR PATIENT MONITORING POD



(57) Abstract: A patient parameter monitoring pod in embodiments of the teachings may include one or more of the following features: (a) portable housing containing a power supply, (b) a patient parameter module connectable to a patient via lead cables to collect patient data, the patient data including at least one vital sign, (c) a transceiver adapted to wirelessly transmit the patient data to a defibrillator, (d) a data port adapted to supply the patient data via a direct electrical connection to the defibrillator, and (e) a carrying handle extending from the housing proximate a patient lead cable port that permits connection of the lead cables to the pod, the carrying handle positioned to protect the patient lead cable port and the patient lead cables attached to the port from direct impact.

WO 2005/058413 A3



(81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) **Date of publication of the international search report:**
20 October 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.